



UNITED STATES PATENT AND TRADEMARK OFFICE

X-7

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
-----------------	-------------	----------------------	---------------------	------------------

10/708,847	03/28/2004	HAI YAN		2846
------------	------------	---------	--	------

41491	7590	01/11/2005		
-------	------	------------	--	--

HAI YAN
7136 ELSA COURT
FONTANA, CA 92336

EXAMINER

KWOK, HELEN C

ART UNIT

PAPER NUMBER

2856

DATE MAILED: 01/11/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/708,847

Applicant(s)

YAN, HAI

Examiner

Helen C. Kwok

Art Unit

2856

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☒ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☒ Claim(s) 1-9 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 3/28/04.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Objections

1. Claims 1-9 are objected to because of the following informalities. Appropriate correction is required.

In claim 1, lines 9-10, the phrase "(such as ... resonance)" should be deleted and replace with – wherein the status information of the resonance includes amplitude, frequency, and phase of the resonance --. In line 11, what is the word "its" referring to? In lines 22-23, the phrase "(such as ... resonance)" should be deleted and replace with – wherein the status information of the resonance includes amplitude, frequency, and phase of the resonance --. In line 26, the phrase "the natural" should be changed to – a natural --. In line 28, the semicolon (;) should be changed to a period since this is the end of the sentence.

In claim 2, line 3, the word "phase-lock" should be changed to – phase-locked – to provide proper antecedent basis. In line 9, what is the word "its" referring to? In line 12, what is the word "its" referring to? In line 14, the word "phase-lock" should be changed to – phase-locked – to provide proper antecedent basis.

In claim 3, lines 3, 8, 14, 20, 26, 32 and 39, the word "The" should be changed to – the --. In line 47, the semicolon (;) should be changed to a period since this is the end of the sentence.

In claim 4, lines 3, 8, 14, 20, 26, 32, 39 and 48, the word "The" should be changed to – the --. In line 52, what is the word "its" referring to? In line 53, the semicolon (;) should be changed to a period since this is the end of the sentence.

Art Unit: 2856

In claim 5, line 3, the word "The" should be changed to – the --. In claim 6, line 3, what is the word "its" referring? In line 6, the phrase "the Coriolis" should be changed to – a Coriolis --. In lines 13-14, the phrase "(such as ... resonance)" should be deleted and replace with – wherein the status information of the resonance includes amplitude, frequency, and phase of the resonance --. In line 15, what is the word "its" referring to? In line 17, what is the word "its" referring to? In lines 25-26, the phrase "(such as ... resonance)" should be deleted and replace with – wherein the status information of the resonance includes amplitude, frequency, and phase of the resonance --. In line 29, the semicolon (;) should be changed to a period since this is the end of the sentence.

In claim 7, line 2, the word "phase-lock" should be changed to – phase-locked – to provide proper antecedent basis. In line 9, what is the word "Its" referring to? In line 12, what is the word "its" referring to? In line 13, the word "phase-lock" should be changed to – phase-locked – to provide proper antecedent basis.

In claim 8, lines 2, 6, 10, 15, 20, 25 and 30, the word "The" should be changed to – the --. In line 12, the phrase "and a" should be changed to – and the --. In line 28, the phrase "a set" should be changed to – the set --. In line 32, the phrase "a set" should be changed to – the set --. In line 36, the semicolon (;) should be changed to a period since this is the end of the sentence.

In claim 9, lines 2, 6, 10, 15, 20, 25, 30 and 37, the word "The" should be changed to – the --. In line 12, the phrase "and a" should be changed to – and the --. In line 12, the phrase "and a" should be changed to – and the --. In line 28, the phrase "a

Art Unit: 2856

set" should be changed to – the set --. In line 32, the phrase "a set" should be changed to – the set --. In line 40, what is the word "its" referring to?

Conclusion

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

The references cited are related to dual mass resonator structure sensor.

3. This application is in condition for allowance except for the following formal matters as set forth above.

Prosecution on the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

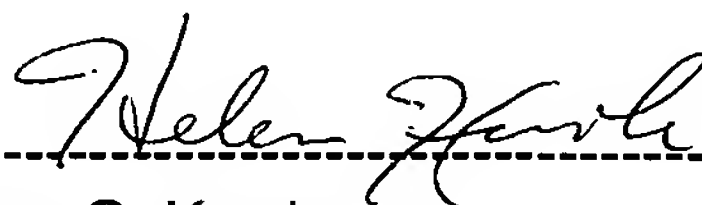
A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Helen C. Kwok whose telephone number is (571) 272-2197. The examiner can normally be reached on 8:30 to 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hezron E. Williams can be reached on (571) 272-2208. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2856

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Helen C. Kwok
Art Unit 2856

hck
January 7, 2005